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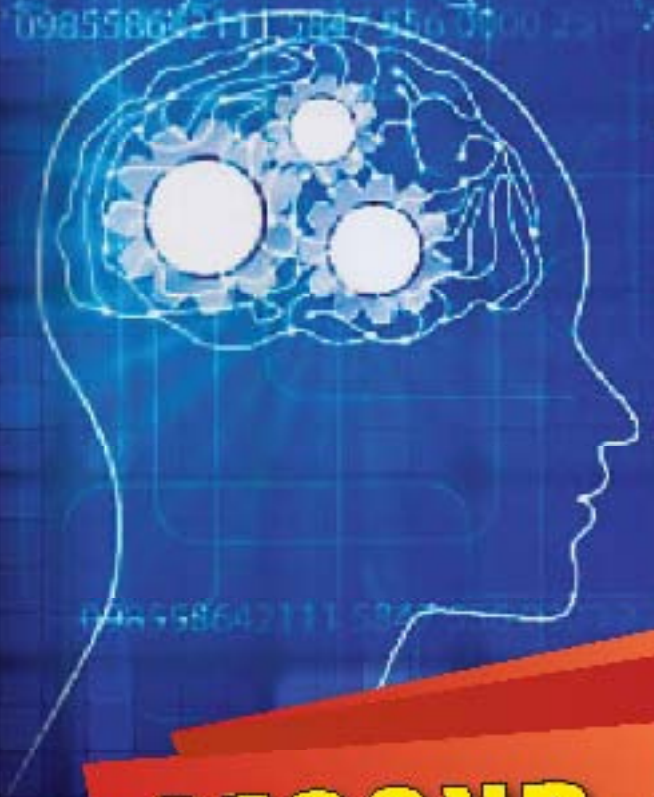

SECOND ISSUE

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Name : **Mohamed S. Abd. Elforgani**

Title : **The Influence of Building Project Characteristics, Quality of Clients and Design Team Attributes on Green Design Performance Measures Adoption**

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Increasing concern for environment has made building owners and designers to incorporate green design into their building projects. Buildings take about 40 per cent of energy consumption globally and have significant impact on the productivity and wellbeing of the occupants. However, the quality of design team attributes the quality of clients and the characteristics of the building projects have been argued to be the main factors that determine the green design performance of buildings. Therefore, the main objectives of this study are to measure the green design building performance, the quality of client and the attributes of the design team. This study also measures the extent to which the quality of design team attributes, the quality of clients and the characteristics of the building projects affect the green design performance of buildings.The study adopted a triangulation technique that combined both quantitative and qualitative methods of data collection. One-thousand one hundred and eighty (1,180) questionnaires were sent out to registered professional architects and consulting engineers in the preliminary questionnaire survey to partially validate the theoretical framAework of the study and to obtain a general profile of building design activities in Malaysia. A 23.5 percent response rate was achieved. In addition, 16 semi-structured interviews were conducted with selected architects and consulting engineers who responded to the preliminary questionnaire survey. The third part of triangulation involved a final questionnaire survey. One hundred and two (102) out of 274 questionnaires from the final questionnaire were found to be useful and formed a database for data analysis purposes. WINSTEP software was used to validate the data collected. The Statistical Package for Social Science (SPSS) was used in the data analysis for both descriptive and inferential statistics.The study concludes that the green design performance of buildings in Malaysia is generally moderate. The quality of clients and the design team attributes significantly affect the green design performance of buildings. The project size, the availability of design information and the complexity of engineering and services also moderately influence the green design performance of building projects.